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PTO/SB/08A (10-96)
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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/616,480
		Filing Date	07/08/2003
		First Named Inventor	VITERI, Fernin
		Group Art Unit	
		Examiner Name	
Sheet	1	of	12
		Attorney Docket Number	3097.001

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code? (if known)			
J		864,017		Miller	08-20-1907	
		886,274		Tate	04-28-1908	
J		1,013,907		Taylor	01-09-1912	
		1,227,275		Kraus	05-22-1917	
J		1,372,121		Davis	03-22-1921	
		1,820,755		McMullen	08-25-1931	
J		1,828,784		Perrin	10-27-1931	
		2,004,317		Forster	06-11-1935	
J		2,033,010		Russell	03-03-1936	
		2,078,956		Lysholm	05-04-1937	
J		2,168,313		Bichowsky	08-08-1939	
		2,218,281		Ridder	10-15-1940	
J		2,359,108		Hoskins	09-26-1944	
		2,368,827		Hanson	02-06-1945	
J		2,374,710		Smith	05-01-1945	
		2,417,835		Moore	03-25-1947	
J		2,428,136		Barr	09-30-1947	
		2,469,238		Newton	05-03-1949	
J		2,476,031		Farkas	07-12-1949	
		2,478,682		Blackwood	08-09-1949	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
J		GB	6394		Smith	05-28-1898		
		FR	350,612		Braun	01-07-1905		
J		GB	140,516		Torazzi	03-23-1920		
		GB	271,706		Schmid	05-26-1927		
J		DE	1,301,821		Fabian	08-28-1969		
		DE	2,933,932	/	Sternfeld	12-09-1982		
J		DE	3,122,338	/	Rohatscheck	05-19-1983		
		DE	2,111,602	/	Stahl	07-06-1983		
J		EP	0,197,555	/	Ramsaier	04-09-1986		
		DE	3,512,947	/	Ramsaier	10-16-1986		

Examiner Signature	<i>[Signature]</i>	Date Considered	07/08/03
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Sheet	2	of	12
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Application Number	10/616,480
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Group Art Unit	
Examiner Name	
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		2,487,435		Goddard	11-08-1949	
		2,523,656		Goddard	09-26-1950	
		2,547,093		Ray	04-03-1951	
		2,563,028		Goddard	08-07-1951	
		2,568,787		Bosch	09-25-1951	
		2,582,938		Eastman	01-15-1952	
		2,605,610		Hermitte	08-05-1952	
		2,621,475		Loy	12-16-1952	
		2,636,345		Zoller	04-28-1953	
		2,654,217		Retalliaata	10-06-1953	
		2,656,677		Peterson	10-27-1953	
		2,662,373		Sherry	12-15-1953	
		2,678,531		Miller	05-18-1954	
		2,678,532		Miller	05-18-1954	
		2,697,482		Blizard	12-21-1954	
		2,717,491		Barr	09-13-1955	
		2,722,100		Goddard	11-01-1955	
		2,763,987		Kretschmer	09-25-1956	
		2,770,097		Walker	11-13-1956	
		2,832,194		Kuhner	04-29-1958	

FOREIGN PATENT DOCUMENTS

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		Office ²	Number ⁴	Kind Code ⁵ (if known)				
		EP	0413199		Siemens	02-20-1991		
		JP	WO 91/02886		Muraki	03-07-1991		
		EP	0546501		Drnevich	06-16-1993		
		US	WO 94/10427		Ginter	05-11-1994		
		EP	06318464		Hiroshi	11-15-1994		
		EP	0634562		Scharpf	01-18-1995		
		US	WO 96/07024		Beichel	03-07-1996		
		US	WO 97/44574		Collin	11-27-1997		

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Hawk Nelson

Date

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Sheet

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of

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Application Number	10/616,480
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Filing Date	07/08/2003
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First Named Inventor	VITERI, Fermin
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Group Art Unit

Examiner Name

Attorney Docket Number	3097.001
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		Number	Kind Code² (if known)			
JL		2,869,324		Foote	01-20-1959	
		2,884,912		Lewis	05-05-1959	
		2,916,877		Walter	12-15-1959	
		2,986,882		Pavlecka	06-06-1961	
		3,038,308		Fuller	06-12-1962	
		3,054,257		Schelp	09-18-1962	
		3,101,592		Robertson	08-27-1963	
		3,134,228		Wolansky	05-26-1964	
		3,183,864		Stengel	05-18-1965	
		3,238,719		Harslem	03-08-1966	
		3,298,176		Forsyth	01-17-1967	
		3,302,596		Zinn	02-07-1967	
		3,315,467		DeWitt	04-25-1967	
		3,331,671		Goodwin	07-18-1967	
		3,335,565		Aguet	08-15-1967	
JL		3,359,723		Bohensky	12-26-1967	
		3,385,381		Calaman	05-28-1968	
		3,423,028		Stupakis	01-21-1969	
		3,459,953		Hughes	08-05-1969	
		3,559,402		Stone	02-02-1971	

FOREIGN PATENT DOCUMENTS

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				C m p l t i f K n w n <table border="1"> <tr> <td>Application Number</td> <td>10/616,480</td> </tr> <tr> <td>Filing Date</td> <td>07/08/2003</td> </tr> <tr> <td>First Named Inventor</td> <td>VITERI, Fermin</td> </tr> <tr> <td>Group Art Unit</td> <td></td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>3097.001</td> </tr> </table>		Application Number	10/616,480	Filing Date	07/08/2003	First Named Inventor	VITERI, Fermin	Group Art Unit		Examiner Name		Attorney Docket Number	3097.001
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First Named Inventor	VITERI, Fermin																
Group Art Unit																	
Examiner Name																	
Attorney Docket Number	3097.001																
Sheet	4	of	12														

U.S. PATENT DOCUMENTS						
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		Number	Kind Code² (if known)			
W		3,574,507		Rydd	04-13-1971	
		3,608,529		Smith	09-28-1971	
		3,649,469		MacBeth	03-14-1972	
		3,657,879		Ewbank	04-25-1972	
		3,677,239		Elkins	07-18-1972	
		3,693,347		Kydd	09-26-1972	
		3,702,110		Hoffman	11-07-1972	
		3,703,807		Rice	11-28-1972	
		3,731,485		Rudolph	05-08-1973	
		3,736,745		Karig	06-05-1973	
		3,738,792		Feng	06-12-1973	
		3,747,336		Dibelius	07-24-1973	
		3,751,906		Leas	08-14-1973	
		3,722,881		Lange	11-20-1973	
		3,779,212		Wagner	12-18-1973	
		3,792,690		Cooper	02-19-1974	
W		3,804,579		Wilhelm	04-16-1974	
		3,807,373		Chen	04-30-1974	
		3,826,080		DeCorso	07-30-1974	
		3,831,373		Plynt	08-27-1974	

[illegible]

Examiner Signature	HOBNT NGUYEN	Date Considered	02/04/05
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Sheet	5	of	12
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Application Number	10/816,480
Filing Date	07/08/2003
First Named Inventor	VITERI, Ferdinando
Group Art Unit	
Examiner Name	
Attorney Docket Number	3097.001

U.S. PATENT DOCUMENTS						
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1A →		3,850,569		Alquist	11-26-1974	
		3,854,283		Stirling	12-17-1974	
		3,862,624		Underwood	01-28-1975	
		3,862,819		Wentworth	01-28-1975	
		3,928,961		Pfefferle	12-30-1975	
		3,972,180		Van Gelder	08-03-1976	
		3,978,661		Cheng	09-07-1976	
		3,980,064		Ariga	09-14-1976	
		3,982,878		Yamane	09-28-1976	
		4,063,414		Sata	12-20-1977	
		4,118,925		Sperry	10-10-1978	
		4,133,171		Earnest	01-09-1979	
		4,148,185		Somers	04-10-1979	
		4,193,259		Muenger	03-18-1980	
		4,194,890		McCombs	03-25-1980	
		4,199,327		Hempill	04-22-1980	
		4,224,299		Barber	09-23-1980	
		4,224,991		Sowa	09-30-1980	
		4,249,371		Romeyke	02-10-1981	
		4,271,664		Earnest	06-09-1981	

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Date Considered	07/04/05
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		4,273,743		Barber	06-16-1981	
		4,297,841		Cheng	11-03-1981	
		4,313,300		Wilkes	02-02-1982	
		4,327,547		Hughes	05-04-1982	
		4,377,067		Sternfeld	03-22-1983	
		4,425,755		Hughes	01-17-1984	
		4,426,842		Collet	01-24-1984	
		4,434,613		Stahl	03-06-1984	
		4,456,069		Vigneri	06-26-1984	
		4,465,023		Wagner	08-14-1984	
		4,498,289		Osgerby	02-12-1985	
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		4,674,463		Duckworth	06-23-1987	
		4,680,927		Cheng	07-21-1987	
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		4,765,143		Crawford	08-23-1988	
		4,825,650		Hosford	05-02-1989	
		4,841,721		Patton	06-27-1989	
		4,845,940		Beer	07-11-1989	
		4,884,529		Byrnes	12-05-1989	
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		4,910,008		Prudhon	03-20-1990	
		4,916,904		Ramsaier	04-17-1990	
		4,928,478		Maslak	05-29-1990	
		4,942,734		Markbreiter	07-24-1990	
		4,948,055		Belcher	08-14-1990	
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		4,987,735		DeLong	01-29-1991	
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		5,069,031		Shekleton	12-03-1991	

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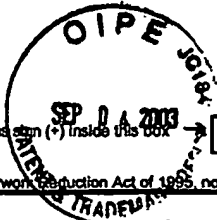
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/616,480
		Filing Date	07/08/2003
		First Named Inventor	VITERI, Fernin
		Group Art Unit	
Examiner Name			
Attorney Docket Number	3097.001		
Sheet	8	of	12

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,088,450		Sternfeld	02-18-1992	
		5,103,630		Correa	04-14-1992	
		5,131,225		Roettger	07-21-1992	
		5,175,994		Fox	01-05-1993	
		5,175,995		Pak	01-05-1993	
		5,247,791		Pak	09-28-1993	
		5,265,410		Hisatome	11-30-1993	
		5,285,628		Korenberg	02-15-1994	
		5,304,356		Iijima	04-19-1994	
		5,329,758		Urbach	07-19-1994	
		5,353,589		Althaus	10-11-1994	
		5,363,642		Fruttschi	11-15-1994	
		5,364,611		Iijima	11-15-1994	
		5,417,053		Uji	05-23-1995	
		5,449,568		Micheli	09-12-1995	
		RE35,061		Correa	10-17-1995	
		5,473,899		Viteri	12-12-1995	
		5,479,781		Fric	01-02-1996	
		5,490,377		Janes	02-13-1996	
		5,491,969		Cohn	02-20-1996	

FOREIGN PATENT DOCUMENTS								
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature	<i>HONG NULTON</i>	Date Considered	07/09/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/616,480		
		Filing Date	07/08/2003		
		First Named Inventor	VITERI, Fermin		
		Group Art Unit			
		Examiner Name			
Sheet	9	of	12	Attorney Docket Number	3097.001

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
[Handwritten Initials]		5,511,971		Benz	04-30-1996	
		5,535,584		Janes	07-16-1996	
		5,541,014		Micheli	07-30-1996	
		5,557,936		Drnevich	09-24-1996	
		5,572,861		Shao	11-12-1996	
		5,581,997		Janes	12-10-1996	
		5,590,518		Janes	01-07-1997	
		5,590,528		Viteri	01-07-1997	
		5,617,719		Ginter	04-08-1997	
		5,628,184		Santos	05-13-1997	
		5,636,980		Young	06-10-1997	
		5,678,408		Janes	10-21-1997	
		5,679,134		Brugerolle	10-21-1997	
		5,680,764		Viteri	10-28-1997	
		5,687,560		Janes	11-18-1997	
[Handwritten Initials]		5,709,077		Beichel	01-20-1998	
		5,715,673		Beichel	02-10-1998	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/616,480
		Filing Date	07/08/2003
		First Named Inventor	VITERBI, Ferrin
		Group Art Unit	
		Examiner Name	
Sheet 10 of 12	Attorney Docket Number	3097.001	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
A		REINKENHOF, J. et al.; Steam Generation with Modified H ₂ /O ₂ - Rocket Engines; unknown date	
A		STERNFELD, H.; A Hydrogen/Oxygen Steam Generator for the Peak-Load Management of Steam Power Plants; unknown date	
		BRAUSER, S. et al.; A Proposed Hydrogen-Oxygen Power Cycle; 1967; Stillwater, Oklahoma	
		REESE, R. et al.; A Proposed Hydrogen-Oxygen Fueled Steam Cycle for the Propulsion of Deep Submersibles; 1971; Massachusetts	
		LOTKER, M.; Hydrogen for the Electric Utilities - Long Range Possibilities; 1974; Hartford, Connecticut	
		LUCCI, A. et al.; Title Unknown (IECEC '75 Record); 1975; Canoga Park, California	
		DE BIASI, V.; A Look into Real Payoffs for Combined Cycle Conversions; Gas Turbine World; 1984; pp. 17, 18, 20, 22	
		PAK, P. S. et al.; Closed Dual Fluid Gas Turbine Power Plant without Emission of CO ₂ into the Atmosphere; IFAC/IFORS/IAEE Symposium; 1989; Pergamon Press; Tokyo, Japan	
		YANTOVSKII, E. I.; The Thermodynamics of Fuel-Fired Power Plants without Exhaust Gases; November 1991; Geneva	
		YANTOVSKII, E. I.; Computer Exergonomics of Power Plants without Exhaust Gases; Energy Convers. Mgmt.; 1992; pp. 405-412; Vol. 33, No. 5-8; Pergamon Press Ltd.; Great Britain	
A		BOLLAND, O. et al.; New Concepts for Natural Gas Fired Power Plants which Simplify the Recovery of Carbon Dioxide; Energy Convers. Mgmt.; 1992; pp. 467-475; Vol. 33, No. 5-8; Pergamon Press Ltd.; Great Britain	

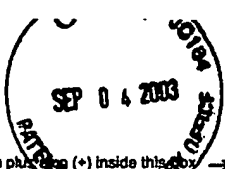
Examiner Signature	<i>H. O. Nelson</i>	Date Considered	07/08/03
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Sheet

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of

12

Complete if Known

Application Number	10/616,480
Filing Date	07/08/2003
First Named Inventor	VITERI, Fermin
Group Art Unit	
Examiner Name	
Attorney Docket Number	3097.001

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H	✓	HENDRIKS, C.A. et al.; Carbon Dioxide Recovery Using a Dual Gas Turbine IGCC Plant; Energy Convers. Mgmt.; 1992; pp. 387-396; Vol. 33, No. 5-8; Pergamon Press Ltd.; Great Britain	
	✓	MERCEA, P. V. et al.; Oxygen Separation from Air by a Combined Pressure Swing Adsorption and Continuous Membrane Column Process; Journal of Membrane Science; 1994; pp. 131-144; Cincinnati, Ohio	
	✓	BOLLAND, O. et al.; Comparative Evaluation of Combined Cycles and Gas Turbine Systems with Water Injection, Steam Injection, and Recuperation; Transactions of the ASME; January 1995; pp. 138-140, 142-145; Vol. 117	
	✓	The NOx Report; February 20, 1995; Vol. 1, No. 1	
	✓	ALKAM, M. K. et al.; Methanol and Hydrogen Oxidation Kinetics in Water at Supercritical States; 1995; The University of Iowa; Iowa City, Iowa	
	✓	RICE, I. G.; Steam-Injected Gas Turbine Analysis: Steam Rates; Journal of Engineering for Gas Turbines and Power; April 1995; pp. 347-353; Vol. 117	
	✓	YANTOVSKII, E. I.; A Zero Emission Combustion Power Plant for Enhanced Oil Recovery; Energy; 1995; Vol. 20, No. 8; pp. 823-828	
	✓	KOLP, D. A. et al.; Advantages of Air Conditioning and Supercharging an LM6000 Gas Turbine Inlet; Journal of Engineering for Gas Turbines and Power; July 1995; Vol. 117	
	✓	EPA Proposes Across-the-Board Phase II NOx Limitations; Air Pollution Regulatory Analysis Service; January 19, 1996; Article No. 96-2	

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Signature

Howard Newton

Date

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07/08/03

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<i>[Handwritten initials]</i>		AGAZZANI, A. et al.; An Assessment of the Performance of Closed Cycles with and without Heat Rejection at Cryogenic Temperatures; International Gas Turbine and Aeroengine Congress & Exhibition; June 10-13, 1996; Birmingham, UK	
<i>[Handwritten initials]</i>		FACCHINI, B. et al.; Semi-Closed Gas Turbine/Combined Cycle with Water Recovery and Extensive Exhaust Gas Recirculation; International Gas Turbine and Aeroengine Congress & Exhibition; June 10-13, 1996; Birmingham, UK	
<i>[Handwritten initials]</i>		NAKHAMKIN, M. et al.; The Cascaded Humidified Advanced Turbine (CHAT); Journal of Engineering for Gas Turbines and Power; July 1996; pp. 565-571; Vol. 118	
<i>[Handwritten initials]</i>		RICE, I. G.; Split Stream Boilers for High-Temperature/High-Pressure Topping Steam Turbine Combined Cycles; Journal of Engineering for Gas Turbines and Power; April 1997; pp. 385-394; Vol. 119	
<i>[Handwritten initials]</i>		ULIZAR, I. et al.; A Semiclosed-Cycle Gas Turbine with Carbon Dioxide-Argon as Working Fluid; Journal of Engineering for Gas Turbines and Power; July 1997; pp. 612-616; Vol. 19	
<i>[Handwritten initials]</i>		WILSON, D. G. et al.; The Design of High-Efficiency Turbomachinery and Gas Turbines, Second Edition; 1998; pp. 146-161; Prentice Hall; Upper Saddle River, New Jersey	

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